

Technical equipment in molecular microbiology diagnostic – Real Time PCR and End Point PCR method confrontation

The disertation is dividend into three parts :

- equipment of the diagnostic methods applied in microbiology
- identification of the instruments used for molecular diagnostics
- Real Time PCR and End Point PCR methods comparation

Theoretical passage of this diploma thesis deals with general characteritics of molecular diagnostic metods used in microbiological laboratories – such as hybridisation, polymerase chain reaction and infections agens detection.

There is also description of technical equipment necessary for execution of these methods in both small laboratory operations and automated systems.

The practical passage indicates Real Time PCR and End Point PCR method confrontation focused on Nested PCR. This comparison is based on theoretical knowledge and laboratory practice and work experience.